Železara Smederevo d.o.o.
Radinac, 11300 Smederevo
Serbia

CE
13
0045 - CPR - 0761

INSPECTION CERTIFICATE 3.1 EN 10204:2004

- uverenje o ispitivanju -

PURCHASER: (kupac)	THYSSENKRUPP MATERIALS INDJIJA SAVE KOVACEVICA BB	CERTIFICATE No : (uverenje broj)	23010
		UGOVOR KUPCA	RSA-54000510
TRADING CO: (izvoznik , primalac)	THYSSENKRUPP MATERIALS INDJIJA SAVE KOVACEVICA BB	CONTRACT No: (ugovor broj.)	THMA1056CS
		T: HR+CE	
PRODUCT: (proizvod)	HOT ROLLED SHEETS	- EN 10051/2010	
DIMENSIONS: (dimenzije ,mm)	8,000 X 1500 X 6000	PAGE No: 1 (strana br)	
QUALITY: (kvalitet)	S235JR / EN 10025-2/2004	DATE OF ISSUE (datum izdavanja)	18/05/2016
Net Weight (kg):	21750	Transport:	IN001PC
DELIVERY CONDITIONS : (STANJE ISPORUKE)	AR		

COIL No, PACK No, (kotur br. paket br)	Heat No Šarža	MECHANICAL PROPERTIES - MEH.TEH.OSOBINE Re MPa	Rm MPa	Re/ Rm	A Elong. %	Impact test Kv (žilavost) Sr.Vr. T°C	1 J	2 J	3 J	Bend test S 180°	Hardness (tvrdoca) HRB HV10	Melt furn nacin Proiz
K48713	856101	264	419	,63	31							Y
K48715	139032	273	419	,65	30							Y
K48716	139032	273	419	,65	30							Y
K48717	139032	273	419	,65	30							Y
K48718	856101	264	419	,63	31							Y

HEAT No Šarža br	CHEMICAL COMPOSITION - HEMIJSKI SASTAV (%) C X 100	Mn	Si X 1000	P	S	Al X 1000	Cu X 100	Cr	Ni	Mo X 1000	Ti	V	Nb	N	Cev X 100
856101	13	83	23	8	10	53	3	2	1	4	1	4	3	6	28
139032	13	77	15	10	14	40	3	3	1	4	1	3	2	5	27
139032	13	77	15	10	14	40	3	3	1	4	1	3	2	5	27
139032	13	77	15	10	14	40	3	3	1	4	1	3	2	5	27
856101	13	83	23	8	10	53	3	2	1	4	1	4	3	6	28

KOPIJA VERNA ORIGINALU
Thyssenkrupp Materials doo
Indija, Srbija

Measured values of alpha and beta/gamma surface contamination of the examined goods are for alpha emitters lower than 4 Bg/100cm2, as wel as for beta/gamma emitters lower than 40 Bg/100cm2
We hereby declare that above mentioned products were manufactured in accordance with specifications and contract requirements.

Železara Smederevo
Odeljenje za ateste
AO - 03
11300 Smederevo

QUALITY ASSURANCE

OBEZBEDJENJE KVALITETA

"ZPT" JSC – STRALDZHA
8680 Straldha, Industrialen 1, tel.: +35947615133; fax: +35947615423
e-mail: office@zpt.bg web: www.zpt.bg

OD 8.2.3-0-04

CERTIFICATE OF QUALITY

№ 327 Date: 2.11.2016 г.

Protocol №	Date	Test report 2.2 according to BDS EN 10204	Client	"ZPT TRADE" Sole-Owner LTD , SOFIA
28874	2.11.2016 г.		Direction	ThyssenKrupp Materials d.o.o
			Truck №	PI 034 RD / AA 499 PI

Delivery specifications	
Certificate No. of Steel Grade	
According to Standard	BDS EN 10219-1:200

Weldability	
Zincify	
Other	

DESCRIPTION OF PRODUCT

WELDED BLACK HOLLOW SECTIONS

PRODUCTION PROPERTIES

№	Size						
1	30x30	3,0	0,30	6000	+40	243	3338
2	50x30	3,0	0,30	6000	+40	108	2104
3	80x80	3,0	0,30	6000	+40	50	2030
4	80x80	4,0	0,40	6000	+40	40	2098
5	100x60	3,0	0,30	6000	+40	72	2842
6	40x40	2,0	0,20	6000	+40	243	3346
7	60x40	3,0	0,30	6000	+40	144	3450
8	120x80	4,0	0,40	6000	+40	40	2636
9	100x60	4,0	0,40	6000	+40	40	2124

№			
1	S 235 JRH	БДС EN 10025	152806
2	S 235 JRH	БДС EN 10025	253110
3	S 235 JRH	БДС EN 10025	353106
4	S 235 JRH	БДС EN 10025	145476
5	S 235 JRH	БДС EN 10025	253097
6	S 235 JRH	БДС EN 10025	153541
7	S 235 JRH	БДС EN 10025	153261
8	S 235 JRH	БДС EN 10025	153327
9	S 235 JRH	БДС EN 10025	253137

***TECHNICAL AND MECHANICAL PROPERTIES**

№								
1	330,0	425,0	35,0			-	-	
2	310,0	420,0	29,0			-	-	
3	300,0	410,0	31,0			-	-	
4	315,0	450,0	32,0			-	-	
5	290,0	390,0	35,0			-	-	
6	300,0	410,0	28,0			-	-	
7	295,0	380,0	33,0			-	-	
8	300,0	400,0	38,0			-	-	
9	300,0	410,0	40,0			-	-	

CEMICAL COMPOSITIONS %

№								
1	0,140	0,480	0,010	0,015	0,016			
2	0,140	0,470	0,010	0,015	0,018			
3	0,140	0,470	0,010	0,010	0,017			
4	0,150	0,510	0,001	0,024	0,027			
5	0,170	0,480	0,010	0,012	0,017			
6	0,160	0,490	0,010	0,013	0,019			
7	0,150	0,470	0,010	0,011	0,017			
8	0,150	0,470	0,010	0,012	0,025			
9	0,160	0,500	0,010	0,015	0,022			

The producer declares that the products are in accordance with order № **28874**

The products are delivered with Declaration of Performance No3 / 05.01.2016 and have marking CE № 1853

If claims appears, please send us the number and the date of issue of the certificate of quality.
Issued in duplicate.

Quality Control Department
/dipl. eng. I.Nikolova/

ОТКК

KOPIJA VERNA ORIGINALU
ThyssenKrupp Materials doo
Indija, Srbija

IGM-TRADE ILIJA I DR. D.O.O.

Profile and Pipe factory
Industriska, 2
1430, Kavadarci
R. Macedonia

Сертификат 2.2 / Certificate 2.2	EN 10204:2004	ФМ 7.2/02
Нарачка број / Order No. 10/6243	Референтен број / Ref. No. RSA-5400053419	

Купувач / Buyer

THYSSENKRUPP MATERIALS d.o.o.
Save Kovacevica bb 22320, INDJIJA, SERBIA

Пратка Број / Delivery No.	Declaration of Performace No.
63 / 3754	01 CPR 2013 - 07 - 01
Опис на производот / Product Description	Технички побарувања / Technical requirements
CFR (C) HS	EN 10219

Испорака Delivery							Хемијски состав Chemical composition [%]											Механичко Технолошки Карак. Mechanical Technological Prop.				
Ознака Marking	Димензии (mm) Dimensions (mm)	Вези Lot	Парче Pcs	Тежина [Kr] Weight [Kg]	Материјал Material	Стандард Standard	Шаржа Heat No.	C [e-2]	Si [e-2]	Mn [e-2]	P [e-3]	S [e-3]	Al [e-3]	N [e-3]	Cr [e-2]	Ti [e-3]	Ni [e-2]	Reh [N/mm2]	Rm [N/mm2]	A [%]	Ceкv	H. T.
Rectangular Pipes	80x60x4x6000	2	84	3940,0	S235JRH	EN10219	205048	9	1,8	21,4	17	15,7	38,4		17	0,6	15,6	238	371	28,77	0,140	
Rectangular Pipes	60x30x3x6000	1	91	2000,0	S235JRH	EN10219	104093	15	2,9	45,4	19	28,7	38,8		22	0,3	1,6	241	369	32,08	0,231	
Rectangular Pipes	40x30x1.8x6000	4	480	5590,0	S235JRH	EN10219	104594	16,5	1,7	56,3	17,3	27,7	32,8		13,6	0,2	18,3	239	389	24,77	0,273	
Rectangular Pipes	100x80x3x6000	3	60	2650,0	S235JRH	EN10219	304078	13,2	1,3	51,8	14,8	23,3	37,8		24,7	0,5	18,6	271	410	31,56	0,235	
Square Pipes	100x100x4x6000	10	160	10260,0	S235JRH	EN10219	205214	16	1,9	64,4	13,3	14,6	26,1		26,4	0,3	16,7	253	377	29,16	0,284	
	Вкупно / Total	**20**	**875**	**24440,0**																		

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Indija, Srbija

Датум / Date: 07.5.2016 Kavadarci, R. Macedonia	With this certificate 'IGM-TRADE' confirms that the tubes mentioned above meets the requests of the standard and quality declared in this document.	Сектор за контрола на квалитет: Quality Control Department: